

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: LUMIERE

Report Number: P220741

Luminaire Tested: **9004-W1-[RW, RI]-LED3097-M-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220741  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29488)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9004-W1-[RW, RI]-LED3097-M-WT-L1-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 781.3 lumens  
Efficiency: N/A  
Efficacy: 79.7 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.44  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

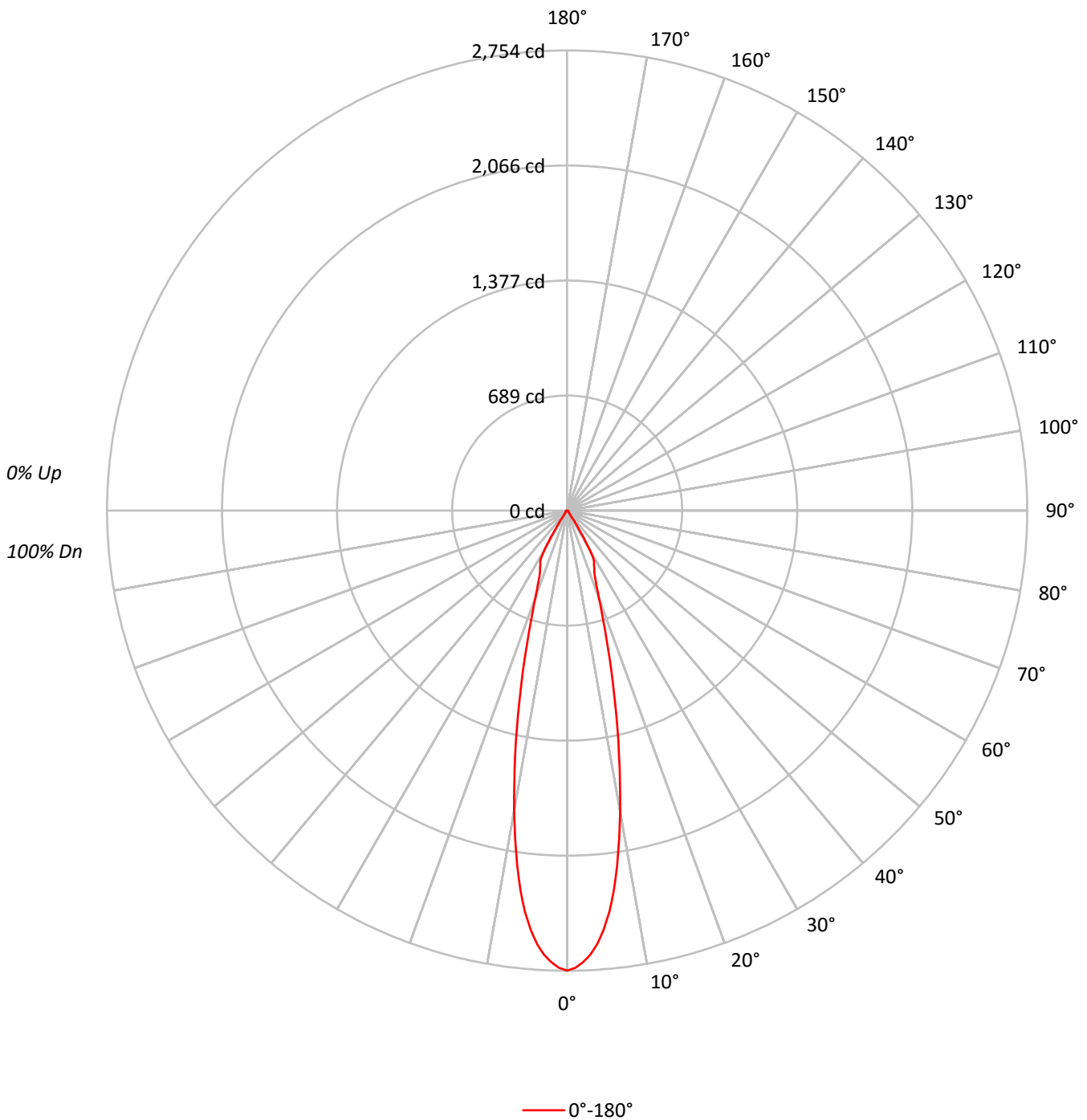
Input Watts (W): 9.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	102	99	107	104	100	98	100	98	95	97	95	93	95	93	92	90
3	105	100	95	92	103	98	95	91	96	93	90	94	91	89	91	89	87	86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	86	83	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79
6	94	87	82	79	93	86	82	78	85	81	78	84	80	77	82	79	77	76
7	91	83	79	75	90	83	78	75	82	78	75	81	77	74	80	76	74	73
8	88	80	76	72	87	80	75	72	79	75	72	78	74	72	77	74	71	70
9	85	77	73	70	84	77	73	69	76	72	69	75	72	69	75	71	69	68
10	83	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	67	66

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	339682
5°	311498
10°	228578
15°	133877
20°	73047
25°	52043
30°	38498
35°	5556
40°	3043
45°	2163
50°	2207
55°	2279
60°	2541
65°	2831
70°	3282
75°	4099
80°	4830
85°	4529



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	217.7	27.9
10°-20°	291.5	37.3
20°-30°	180.0	23.0
30°-40°	50.2	6.4
40°-50°	10.1	1.3
50°-60°	9.6	1.2
60°-70°	9.7	1.2
70°-80°	8.8	1.1
80°-90°	3.6	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	689.2	88.2
0°-40°	739.4	94.6
0°-60°	759.2	97.2
0°-90°	781.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	781.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2754	
5°	2516	218
15°	1048	292
25°	382	180
35°	37	50
45°	12	10
55°	11	10
65°	10	10
75°	9	9
85°	3	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2753.9
1°	2736.8
2°	2705.2
3°	2660.3
4°	2598.7
5°	2515.8
6°	2413.1
7°	2290.9
8°	2145.1
9°	1988.5
10°	1825.0
11°	1658.6
12°	1494.2
13°	1334.0
14°	1185.3
15°	1048.4
16°	922.4
17°	809.4
18°	710.2
19°	625.5
20°	556.5
21°	499.6
22°	456.8
23°	424.3
24°	400.1
25°	382.4
26°	368.0
27°	355.3
28°	343.2
29°	316.0
30°	270.3
32.5°	131.0
35°	36.9
37.5°	25.4
40°	18.9
42.5°	13.3
45°	12.4
47.5°	11.8
50°	11.5
52.5°	10.9
55°	10.6
57.5°	10.6
60°	10.3
62.5°	10.3
65°	9.7



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	9.4
70°	9.1
72.5°	8.9
75°	8.6
77.5°	7.7
80°	6.8
82.5°	5.3
85°	3.2
87.5°	1.5
90°	0.0

(END OF REPORT)